

Angular distribution of ...

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S/056/62/042/001/045/048
B154/B112

isotropy of 2.98 of the standard errors and is therefore obtained in the case of true symmetry with a probability of less than $3 \cdot 10^{-3}$. The general deviation of the observed distribution from isotropy is measured with the probability $P(\chi^2) = 4.6 \cdot 10^{-3}$. The conditions were the same as those during the detection of pions in τ decay which was also calculated in Ref. 1. General statistics is insufficient for determining the difference between several partial distributions. Thus, in Ref. 1, the ratio π/π is 0.958 ± 0.061 in low-density regions (all "observers") and 0.855 ± 0.052 in high-density regions ("observers" E, F, G). This distinction of material according to the forward-backward ratio obtained by different observers is statistically inadmissible. The authors therefore made the following calculation by the Monte Carlo method. From $\pi/\pi = 0.905$ (corresponding approximately to the result of all "observers" in the high-density region in Ref. 1) they chose seven $\pi-\pi$ pairs (seven "observers") and marked those three "observers" who had received the highest asymmetry. The volume of the samples was approximately set equal to the number of muons in the high-density region in Ref. 1. This was repeated ten times. For the ratio π/π , the following results were obtained:

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Angular distribution of ,..	
All "observers"	0.907 ± 0.015
Four "observers" with the lowest asymmetry	0.982 ± 0.019
Difference	0.075 ± 0.024
Three "observers" with the highest asymmetry	0.826 ± 0.019

There are 4 references: 1 Soviet and 3 non-Soviet. The three references to English-language publications read as follows: Ref. 2. H. Hulubei, J. Ausländer, E. Friedländer, S. Titeica. Int. Working Meeting on Cosmic Rays, Bucharest, 1959, Acad. RPR, Inst. de Fizică Atomica, Bucureşti, 1960, p. 130. J. Ausländer. Ninth Int. Ann. Conf. on High Energy Physics, Kiev, 1959, Acad. of Science USSR and IUPAP, Plenary Ses. VI-IX, Moscow, 1960, p. 239. Ref. 3. H. Hulubei, J. Ausländer, E. Balea, E. Friedländer, S. Titeica, Proc. of the 2-nd Int. Conf. on the Peaceful Uses of Atomic Energy, Geneva, 1958, p. 1283. R. L. Garwin et al. Phys. Rev. 108, 1589, 1957.

ASSOCIATION: Institut atomnoy fiziki Rumynskoy akademii nauk Bukharest
(Institute of Atomic Physics of the Rumanian Academy of Sciences, Bucharest)

Card 3/4

Angular distribution of ...

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B154/B112

SUBMITTED: October 10, 1961

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Card 4/4

KHULUBEY, Kh. [Hulubei, H.]; NYAMU, I. [Neamu, I.]; FRANTS, I. [Frant, I.];
MARTALOGU, N. [Martalogu, N.]; SKYNTAY, N. [Scintei, N.];
IVASHKU, M. [Ivascu, M.]; HERINDE, A. [Berinde, A.]

Scattering of low-energy protons on S³². Zhur. eksp. i teor.
fiz. 42 no. 6:1433-1437 Je '62. (MIRA 15:9)

1. Institut atomnoy fiziki Akademii nauk Rumynskoy Narodnoy
Respubliky, Bukharest.

(Protons--Scattering)
(Sulfur)

ACCESSION NR: AP4009101

S/0056/63/045/006/1822/1826

AUTHORS: Khulubey, Kh.; Frants, Zh.; Martalogu, N.; Skyntey, N.; Ivashku, M.; Berinde, A.; Nyamu, I.

TITLE: Scattering of protons with energies below 5 MeV by Ne-20

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 45, no. 6, 1963,
1822-1826

TOPIC TAGS: proton inelastic scattering, excitation function, proton elastic scattering, neon 20, scattered proton angular distribution, compound nucleus, compound nucleus model, excitation mechanism, scattering mechanism

ABSTRACT: To check on the possible formation of a compound nucleus and to investigate the conditions under which the curves of the angular distribution for inelastic scattering change their form, the excitation functions were measured for elastic and inelastic scat-

Card 1/3

ACCESSION NR: AP4009101

ASSOCIATION: Institute of Atomic Physics, Bucharest, Rumania

SUBMITTED: 24Jun63

DATE ACQ: 02Feb64

ENCL: 00

SUB CODE: PH

NO REF SOV: 001

OTHER: 009

Card 3/3

L 9810-66 EWT(m)/T/EWA(m)-2

ACC NR: AP5027995

SOURCE CODE: UR/0386/65/002/007/0327/029

AUTHOR: Khulubey, Kh.; Skyntey, N.; Berinde, A.; Martalogu, N.; Nyamu, I.

ORG: Institute of Atomic Physics, Bucharest, Rumania

TITLE: Small-angle scattering of protons by Mg²⁴SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
(Prilozheniya), v. 2, no. 7, 1965, 327-329

TOPIC TAGS: Proton scattering, magnesium, scattering cross section, angular distribution

ABSTRACT: The purpose of the investigation was to explain earlier results on inelastic scattering of protons with excitation of the first-excited level of Mg²⁴ ($Q = 1.37$ Mev) (O. F. Nemets and G. A. Prokopets, ZhETF v. 38, 693, 1960) at an incident-proton energy 6.8 Mev. The results indicate that whereas at medium and large scattering angles the scattering proceeds for the most part via compound nucleus production, at small angles an appreciable role should be played by some other mechanism. To explain this fact, the authors studied inelastic small-angle proton scattering with semiconductor detectors, the use of which eliminates some errors of the earlier procedure. The protons were obtained in the cyclotron of the Physics Institute in Bucharest by accelerating atomic-hydrogen ions. The detector used was a silicon semiconductor, covered with a tantalum plate. The monitor was a scintillation counter oriented 90° relative to the proton beam direction. The target was a thin rolled magnesium foil 1 mm/cm² thick. The measurements were made in steps of

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L 9810-66

ACC NR: AP5027995

two degrees for the angles between 10 and 20° and in larger steps for larger angles. The angular distributions (Fig. 1) obtained show that the ratio of the proton elastic scattering cross section to the Rutherford scattering cross section decreases with decreasing scattering angle. A similar decrease in this ratio for small angles was obtained also by Hon Jeong et al. (Nucl. Instr. Meth. v. 28, 325, 1964) at $E_p = 9.8$ Mev for the case of A^{40} . The inelastic distribution of the protons does not agree with the data of Nemets and Prokopets at angles below 30°. This may be partially due to a difference in the incident-proton energies, but also to a relatively strong change in the elastic cross section with changing energy in the small-angle region, which may be due to the contribution from the compound-nucleus formation mechanism. Orig. art. has: 2 figures and 1 formula.

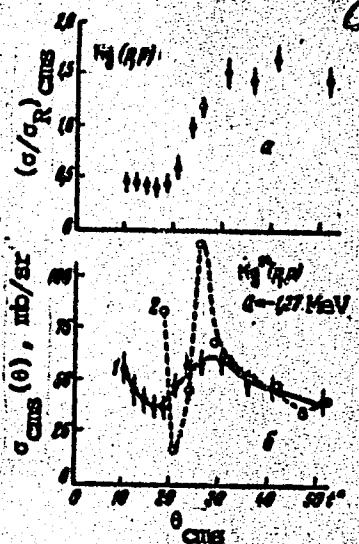


Fig. 1. Angular distribution of protons elastically (a) and inelastically scattered (b) by Mg^{24} .
 1 - present data, 2 - results of Nemets and Prokopets.

SUB CODE: 20/ SUBM DATE: 31Jul65/ ORIG REF: 001/ OTH REF: 002

Card 2/2

FIL'KO, A.S.; KHULUGUROV, M.N.; TENTILOV, S.S.

Method of studying stockwork deposits in the Dzhidinskiy ore
field. Sov. geol. 4 no.3:44-55 Mr '61. (MIRA 14:5)

1. Dzhidinskaya geologicheskaya ekspeditsiya.
(Ores--Sampling and estimation)

KHULUDOV, S. V.

KUDINOV, B.A.; NAYDIS, V.A.; NALETOV, S.P.; KHULUDOV, S.V.

Selecting the drive for the main motion of heavy vertical boring
and turning machines. Stan. i instr. 28 no.7:1-3 Jl '57.
(Drilling and boring machinery--Electric driving) (MLRA 10:8)

KHUMAL, A.K.

AUTHOR: Humal, A.K. (Khumal, A.K.), Academician 23-58-2-8/9

TITLE: Proof of the Pompeyyu Theorem in n-Dimensional Space
(Dokazatel'stvo teoremy Pompeyyu v n-mernom prostranstve)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, Seriya tekhnicheskikh
i fiziko-matematicheskikh nauk, 1958, Nr 2, pp 154-155 (USSR)

ABSTRACT: The author contends that Pompeyyu's theorem covering 3-dimensional space is also correct for n-dimensional space, meeting the demand $|u - v| \leq w \leq |u + v|$, which he proves by examples. There is 1 diagram.

ASSOCIATION: AN ESSR (AS of the Estonian SSR)

SUBMITTED: Apr 1, 1958

Card 1/1 1. Topology -- Theory

KHUMAL, A. (Humal, A.), akademik

The solution of some variants of Pohlke's problem. In Russian.
Eesti tead akad tehn fuus 9 no.4:283-295 '60. (EEAI 10:7)

1. Akademiya nauk Estonskoy SSR.
(Geometry) (Algebra)

KHUMAL, A. [Humal, A.]

Division of the product increment. Eesti tead.akad.tehn.füüs.
no.la3-9 '62.

1. AN Estonskoy SSR.

KHUMARYAN, N.G.

Reactivity of persons affected with diabetes mellitus to subcutaneous administrations of insulin. Izv. AN Arm. SSR. Biol. nauki 13 no.10; 55-66 '60. (MIRA 13:12)

1. Sektor biokhimii AN ArmSSR, kafedra fakul'tetskoy terapevticheskoy kliniki Yerevanskogo meditsinskogo instituta.
(DIABETES) (INSULIN)

KHUMARYAN, N.G.

Effect of insulin therapy on variations in the absolute quantity
of eosinophilous leucocytes of the blood in diabetes mellitus.
Izv. AN Arm. SSR. Biol. nauki 13 no.3:47-54 Mr '60. (MIRA 13:8)

1. Sektor biokhimii Akademii nauk Armyanskoy SSR i Kafedra fakul'tetskoy
terapevticheskoy kliniki Yerevanskogo meditsinskogo instituta.
(INSULIN) (DIABETES) (LEUCOCYTES)

22.

KHUMARYAN, N.G.

Basal metabolism in diabetes mellitus. Izv. AN Arm. SSR.
Biol. nauki 14 no.12:97-104 D '61. (MIRA 15:3)

1. Institut biokhimii AN Armyanskoy SSR, kafedra fakul'tetskoy
terapevticheskoy kliniki Yerevanskogo meditsinskogo instituta.
(DIABETES)
(METABOLISM, DISORDERS OF)

KHUMARYAN, N.G.

Thyroid function and its sensitivity to insulin in diabetes
Zhur. eksp. i klin. med. 5 no.1:38-45 '65.

(MIRA 18:10)

KHUMASH'YAN, I.M.

Using wet cores in producing large thin-walled castings. Biul.
tekhn.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform.
16 no.10:25-27 '63.
(MIA 16:11)

KHUMASH'YAN, M.R.

Sensory innervation of the mammary gland in guinea pigs. Akush.
i gin. no5:65-69 S-0 '55. (MLRA 9:1)

I. Iz Instituta akusherstva i ginekologii (dir.-L.G. Stepanov)
Ministerstva zdravookhraneniya SSSR.
(BREAST, innervation
mammary gland in guinea pigs)

KHUMASH'YAN, M.,R.

"On the morphology of the nervous apparatus of the vagina." First
Moscow Order of Lenin Medical Inst imeni I. M. Sechenov. Moscow, 1956.
(Dissertations for the Degree of Candidate in Medical Science)

So: Knizhaya letopis', No. 16, 1956

KHUMASH' YAN, M.R.
KARPOVA, K.A.; KHUMASH' YAN, M.R.

Peripheral nervous system of the ovaries [with summary in English]
Akush. i gin. 33 no.4:88-93 Jl-Ag '57. (MIRA 10:11)

1. Iz Instituta akusherstva i ginekologii (dir. - L.G. Stepanov)
Ministerstva zdravookhraneniya RSFSR.
(OVARIIS, innerv.
peripheral innerv., histol.)

USSR / Human and Animal Morphology - Nervous System.

S

Abs Jour : Ref. Zhur. - Biol., No. 22, 1958, No. 101480

Author : Khumash'yan, M. R.

Inst :

Title : The Morphology of the Nerve Apparatus of the Vagina.

Orig Pub : Arkhiv Anatomii, Gistol. i Embriol., 1958,
Vol. 35, No. 1, 42-47

Abstract : In the wall of the vagina (V) of non-pregnant cats, adventitial, muscular, and subepithelial nerve plexuses were demonstrated. At points of decussation of the nerve trunks and along their course there are nerve ganglia and isolated nerve cells. The number of nerve cells is greatest in the upper third of the V; there are fewer in the middle third; there are none at

Card 1/3 Inst. Obstetrics & Gynecology
Min Health RSFSR

27

KHUMMEDOV, K.

Giant hanging fibromyoma growing out of the left inguinal canal.
Zdrav. Turk. 5 no.1:35 Ja-F '61. (MIRA 14:6)

1. Glavnnyy vrach Kaakhkinskoy rayonnoy bol'nitsy.
(TUMORS)

BEREZOVSKIY, V.M.; ARTEMKINA, R.V. KHUMOTOVA, Ye.D.

Nucleotides, coenzymes, phosphoric acid esters. Part 3:
Phosphorylation of riboflavin. Zhur. ob. khim. 34 no.8:
2791-2796 Ag '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

KHUMPUK, M.S.

"Mechanization and Automation of Polishing Machines," in book Complex Automation and Mechanization in Mechanical Engineering, State Scientific-Technical Publishing Office for Machine Building Literature, Moscow, 1959.

HUNGARY / Inorganic Chemistry: Complex Compounds. C

Abs Jour: Ref Zhur-Khimiya; No 21, 1958, 70339.

Author : Bek, Khun.

Inst : Not given.

Title : Certain Specific Points in the Function of Complexing.

Orig Pub: Magyar kem. folyoirat, 1958, 64, No 2, 62 - 65.

Abstract: The authors point out that the function of formation which is determined according to Bjerrum by the equation $\bar{n} = n - \frac{1}{2}$ has no specific chemical value if \bar{n} is a whole number and corresponds to a maximum concentration of the respective complex.

Card 1/1

KHUN [Huhn], inzh.; NIZHEL'SKIY, V. [translator]

Relying on the work of volunteers. NTO 5 no.5:58-59 My '63.
(MIRA 16:7)
1. Predsedatel' pervichnoy organizatsii Palaty tekhniki
Narodnogo predpriyatiya pressov i rezhushchego orudovaniya,
g. Erfurt, Germanskaya Demokratischekaya Respublika (for Khun).
(Erfurt, East Germany—Machinery industry)

KHUN, A., inz.

Ten years of the Research Institute of Land Improvement in
Prague. Vodni hosp 14 no. 7254 '64

112-57-7-14369

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 7, p 88 (USSR)

AUTHOR: Khundadze

TITLE: Automation and Telemechanics in Power Systems
(Avtomatizatsiya i telemekhanizatsiya energosistem)

PERIODICAL: Metsniyereba da tekhnika, 1956, Nr 6, pp 1-5 (Georgian)

ABSTRACT: Bibliographic entry.

Card 1/1

KHUNDADZE, F. S.

"Role of Fantasy in Aesthetic Perception of Pre-school and School Children"

(work of the Inst of Psychology, Acad of Sci Georgian SSR -- Vol V, 1948, pp 255-70)

SOURCE: Letopis' Zhur. Statey, № 1, 1949 (Item 862), Unclassified

KHUNDADZE, F.S.

Psychological peculiarities of preschool children's understanding of stories. Trudy Inst.psikhol. AN Gruz. SSR 11:325-343 '57.

(Comprehension) (Education, Preschool)

KHUNDADZE, G. P.

USER: Medicine - Surgery

Feb 52

"New Data on the Construction of an Artificial Esophagus," B. A. Petrov, G. P. Khundadze, Moscow Mun Sci Res Inst of First Aid imeni Sklirosovskiy
"Khirurgiya" No 2 pp 3-14

Surgical procedure for the formation of an artificial esophagus, by means of introducing part of the small intestine subcutaneously through the thoracic cavity toward the neck, has been adopted as one producing satisfactory functional results. Favorable prognosis depends on providing an adequate blood supply to the small intestine, and careful handling of the

221726

mesentery. Anastomosis of the mesentery vessels is done in 2 stages. In cases of low esophageal stenosis, surgical entry is made through the pleura and anastomosis is performed in the thoracic cavity.

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GEDEVANI, D.M.; KHUNDADZE, G.R.; MIKELADZE, T.D.

Method of controlled respiration in the determination of total
gas exchange in anesthesia. Trudy TSIU 59:82-100 '63.

(MIRA 17:9)

1. Kafedra anesteziologyi Tbilisskogo gosudarstvennogo instituta
dlya usovershenstvovaniya vrachey (zav. prof. G.R. Khundadze) i
kafedra fiziologii pedagogicheskogo fakul'teta Tbilisskogo
gosudarstvennogo meditsinskogo instituta (zav. chlen-korrespondent
AN GruzSSR prof. D.M. Gedevani).

KHUNDADZE, Georgiy Romanovich; TSANAVA, Georgiy Melitonovich;
GORZIANI, Chichiko Vasil'yevich; MAMATAVRISHVILI,
Otar Grigor'yevich

[Anesthesiology; general part] [Anestezicologija; obshchaia
chast'. TSozna] 1964. 430 p. [In Georgian]
(MIHA 18:8)

NIKOBADZE, I.I.; TATISHVILI, Ir.Ya.; KURCHISHVILI, I.B.;
ZHGENTI, V.K., akademik, red.; ZURABASHVILI, A.D.,
akademik, red.; KAVTARADZE, P.P., akademik, red.;
TSULUKIDZE, A.P., akademik, red.; ERISTAVIK K.D.,
akademik, red.; CHITAYA, G.S., red.; KHUNDADZE, G.R.,
zasl. deyatel' nauki, prof., red.; MESKHIA, Sh.A.,
prof., red.

[Basic stages of the development of medicine in Georgia]
Osnovnye etapy razvitiia meditsiny v Gruzii. Tbilisi,
Izd-vo "Metsniereba," 1964. 286 p. (MIRA 17:12)

1. Akademiya nauk Gruzinskoy SSR (for Zhgenti, Zurabashvili,
Kavtaradze, Tsulukidze, Eristavi). 2. Chlen-korrespondent
AN Gruzinskoy SSR (for Chitaya, Khundadze, Meskhia).

KHUNDADZE, G.R.

PETROV, B.A., professor; KHUNDADZE, G.R., doktor meditsinskikh nauk.

Retrosternal artificial esophagus. Khirurgija no.1:108-116 Ja '54.
(MLRA 7:5)

1. Iz Instituta im. Sklifosovskogo (direktor - zasluzhennyj vrach
USSR M.M.Terasov). (Esophagus)

KHUNDADZE, G. R.

KHUNDADZE, G.R., prof.

In memory of L.I.Zhvaniia. Vop.kur., fizioter. i lech.fiz.kul't.
22 no.2:95 Mr-Ap '57. (MIRA 11:1)

1. Direktor Tbilisskogo instituta usovershenstvovaniya vrachey
(ZHVANIIA, LAVRENTII ISIDOROVICH, 1895-1956)

KHUNDADZE, G.R., prof.; TSANAVA, G.M., dotsent

Tracheobronchoesophagoscopy under intravenous barbiturate anesthesia under conditions of apnea. Khirurgiia no.12:27-29 '61.

1. Iz kafedry anesteziologii (zav. - prof. G.R. Khundadze) (MIRA 15:11)
Tbilisskogo instituta usovershenstvovaniya vrachey.
(BRONCHOSCOPY) (ESOPHAGUS—EXPLORATION)
(BARBITURATES) (APNOEA)

KHECHINASHVILI, Simon Nikolayevich; KHUNDADZE, G.R., red.; SARKISYAN,
L.N., red.izd-va

[Problems in the theory and practice of surgery to restore
the hearing] Voprosy teorii i praktiki slukhovosstanovitel'-
noi khirurgii. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 190 p.
(MIRA 17:4)

KHUMBADZE, G.R., prof. zaaluchil deiatel na neukfe

Apropos of the surgical treatment of acute cholecystitis in p
patients in advanced and old age. Khirurgia 17 no.2:176-177 '64.

KHUNDADZE, Georgiy Romanovich

[Artificial esophagus made from the small intestines] Iskusstvennyi
pishchevod iz tonkoi kishki. Tbilisi, Sabchota sekartvelo, 1958.

263 p.

(MIRA 12:3)

(ESOPHAGUS--SURGERY)

(INTESTINES--TRANSPLANTATION)

KHUNDADZE, G.R.; TSANAVA, G.M.; GOROZYANI, Ch.V.; MAMAMTAVRISHVILI, O.G.

Single-stage bronchoscopy and bronchography under anesthesia.
Khirurgia 36 no.7:89-92 Je '60. (MIRA 13:12)
(BRONCHI—RADIOGRAPHY) (BRONCHOSCOPY)

KHUNDADZE, G.R., prof.; KURDGELIYA, R.I., aspirant

Some aspects of the application of controlled hypotension in
surgery. Khirurgia 37 no.4:49-53 '61. (MIRA 14:4)

1. Iz kafedry anestesiologii (zav. - prof. G.R. Khundadze)
Tbilisskogo instituta usovershenstvovaniya vrachey.
(HYPOTENSION)

KHUNDADZE, G.R.

Recollections about S.S. IUDIN. Khirurgiia no.10:8-10 '61.
(MIRA 14:10)
(IUDIN, SERGEI SERGEEVICH, 1891-1954)

KHUNDADZE, G.R.; TSANAVA, G.M.

Concerning pulmonectomy. Trudy Tbil. GIDUV 6:59-68 '62.

(MIRA 16:2)

(LUNGS—SURGERY)

KHUNDADZE, I. T. (Tbilisi, ul. Georgiya Tabidze, d. 10)

Ways of inducing experimental tuberculous spondylitis. Ortop.,
travm. i protes. no.3:20-23 '62. (MIRA 15:6)

1. Iz Respublikanskogo nauchno-issledovatel'skogo instituta
tuberkuleza (dir. - kand. med. nauk O. G. Batiyashvili)
Ministerstva zdravookhraneniya Gruzinskoy SSR.

(SPINE—TUBERCULOSIS)

KHUNDADZE, Irakliy Trofimovich

[Experimental tuberculous spondylitis] [Eksperimental'nyi
tuberkuleznyi spondilit. Tbilisi, Gos.izd-vo "Sabchota
Sakartvelo,"] 1963. 149 p. [In Georgian] (MIRA 17:4)

KHUNDADZE, L.P.; KUTATELADZE, K.S.; GABADADZE, T.G.

Expansible cement on the basis of blast furnace slag. Stroi.mat.
10 no.4:34 Ap '64. (MIRA 17:5)

S/081/61/000/024/065/086
B149/B102

AUTHORS: Khundadze, M., Sharashenidze, Sh.

TITLE: Investigation of the group chemical composition of Nori petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 466, abstract 24M55 (Tr. Tbilissk. un-ta, 74, 1959, 337 - 344)

TEXT: On the basis of investigation of the group chemical composition of the Nori petroleum wells, nos. 21, 23, and 44, has been established the possibility of its use as raw material for a number of valuable substances.
[Abstracter's note: Complete translation.]

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Card 1/1

KUNCHULIYA, V.G.; TSVKREVA, D.M.; KHUNDADZE, O.Sh.

Complex study of the state of an athlete's training. Trudy Tbil.
GIDUV 6:149-154 '62. (MIRA 16:2)
(ATHLETIC ABILITY)

KEUNDADZE, S.Sh.

Structural and histochemical study of cutaneous homotransplants.
Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:347-352 '62.
(MIRA 16:2)
(HOMOGRAFTS)

KHUNDADZE, S.Sh.

Innervation of free skin transplants. Soob. AN Gruz. SSR 35 no.1:
207-214 Jl '64. (MIRA 17:10)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii AN GruzSSR. Predstavлено академиком K.D. Eristavi.

KEUNDAZI, R. Sh.

Study of structural and histochemical characteristics of the normal skin in rabbits. Soob. AN Gruz. SSR 29 no.2:221-227 Ag '62.

(MIRA 18:3)

1. Institut eksperimental'noy i klinicheskoy khirurgii i hematologii AN GruzSSR, Tbilisi. Submitted June 28, 1961.

KHUNDADZE, S.Sh.

Studying elastic fibers in free skin grafts. Soob. AN Gruz.
SSR 30 no.1:75-78 Ja '63. (MIRA 17:1)

1. Institut eksperimental'noy i klinicheskoy khirurgii i
gematologii AN Gruzinskoy SSR, Tbilisi. Predstavлено
akademikom K.D. Eristavi.



ACCESSION NR: AT4040444

S/2748/63/004/000/0097/0113

AUTHORS: Lelashvili, Sh. G.; Khundadze, T. G.; Tsintsadze, Sh. A.

TITLE: Magnetic internal memory and its input unit for automatic control computers

SOURCE: AN GruzSSR. Institut elektroniki, avtomatiki i telemekhaniki. Trudy*, v. 4, 1963, 97-113

TOPIC TAGS: computer memory, computer storage device, ferrite memory matrix, magnetic storage, computer input device

ABSTRACT: Two types of internal magnetic memories, with original input units containing ferrites and transistors, were developed at the Institut elektroniki, avtomatiki i telemekhaniki AN GruzSSR. The memories are used in the automatic control for the pressure-rollers of blooming mills. The two memories operate by half-current coincidence and by dynamic magnetization, respectively. A simple and ef-

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ACCESSION NR: AT4040444

fective method for stabilizing the writing currents was obtained for the second variant, with the dependence of the writing-pulse amplitude on the supply voltage eliminated (even if the voltage varies by 50%), and without the use of any stabilized voltages or supplementary elements. The operating principles and the main blocks of both systems are described in detail. The input unit is designed to insert three-digit decimal numbers into the internal memory, but the number of digits can be increased without essential modifications. The input decimal number is set in manually with a telephone dial and is converted sequentially into a binary number by a system comprising blocking-generator pulse shapers and ferrite-transistor flipflops. The logic and the operating sequence of the input unit are described in detail. It is claimed that the simplicity, reliability, and compactness of this internal memory make it suitable for use in many systems for programmed control of manufacturing processes, and the simplicity, reliability, and operating convenience of the input unit make it suitable for use in various computers, particularly of the

Card 2/6

ACCESSION NR: AT4040444

control and information type. Orig. art. has: 17 figures.

ASSOCIATION: Institut elektroniki, avtomatiki i telemekhaniki AN,
GruzSSR (Institute of Electronics, Automation, and Telemechanics,
AN GruzSSR)

SUBMITTED: 00 ENCL: 03

SUB CODE: DP NR REF SOV: 004 OTHER: 000

Card 3/6

KHUNDANOV, L. YE.

PA 63/49T56

USSR/Medicine - Ligatures
Medicine - Surgery

Mar 49

"Use of Dried Blood Vessels of Cattle as Surgical Ligatures in Operations," L. Ye. Khundanov, F. S. Azarginova, Serum Dept, Irkutsk State Antiplague Inst, Siberia and Far East, 3/4 p

"Khirurgiya" No 3

Indicates the use of dried blood vessels of cattle as ligatures, and recommends its use in place of catgut.

63/49T56

KHUNDANOV, L. YE.

Medicine - Chemothapeutic Agents Oct 49

"Sour Milk Product 'Kurug,'" L. Ye. Khundanov,
V.A. Protova

"Priroda" No 10, pp 59-61

Natives in the eastern part of Asiatic USSR drink a beverage produced from sour milk. The formation of this product is made possible by the symbiotic interrelationship of Bact. casei (82%), Bact. lactic acid (7%) and the lactic fungus Torula curvata (1%). Chem and phys studies have revealed that because of the basic compn of this drink it...

212T82

is a good medical remedy in case of loss of wt., loss of appetite, thinness of blood, various chronic afflictions of the respiratory passages and some intestinal disorders.

KHUNDANOV, L.Ye.

KHUNDANOV, L.Ye.

Effectiveness of tissue filtrate blood serum and erythrocyte
suspension on hyperimmunization of animals with a plague antigen.
Izv. Irk.gos.protivochum.inst. 9:83-86 '51. (MIRA 10:12)

1. Iz syvorotchnogo otdela (zaveduyushchiy otdelom L.Ye.Khundanov)
Irkutskogo protivochumnogo instituta.
(SERUM) (ANTIGENS AND ANTIBODIES)
(PLAQUE--PREVENTIVE INOCULATION)

Khundanov, L.Ye.

AZARGINOV, F.S.; KHUNDANOV, L.Ye.; SHKURKO, Ye.D.

Obtaining agglutinative cholera serums from horses. Izv. Irk.gos.
protivochum. inst. 12:119-121 '54.
(MIRA 10:12)
(CHOLERA, ASIATIC) (SERUM) (HORSES)

KHUNDANOV, L.Ye.; LYASKOVSKAYA, Ye.I.

Gamma and beta globulins of plague serum and a study of their
effectiveness. Tez.i dokl.konf.Irk.gos.nauch.-issl.protivochum.inst.
(MIKA 1183)
no.1:144 '55.
(GLOBULIN) (PLAGUE)

Khundanov, L.Ye.
SHERSHNEV, P.A.; SHKURKO, Ye.D.; LYASKOVSKAYA, Ye.I.; *Khundanov, L.Ye.*
Purification and concentration of antiplague sera with neutral salts.
Tez.i dokl.konf.Irk.gos.neuch.-issl.protivochum.inst. no.1:45-46
'55. (MIRA 11:3)
(PLAQUE) (SERUM)

AZARGINOVA, F.Z.; KHUNDANOV, L.Ye.; SHKURKO, Ye.D.

Production of cholera agglutinating sera from horses. Zhur.
mikrobiol. epid. i immun. 27 no.6:81-82 Je '56. (MLBA 9:8).

1. Iz Irkutskogo instituta Ministerstva zdravookhraneniya SSSR.
(SERUM DIAGNOSIS) (CHOLERA)

KHUNDANCY, L.Ye.; KOIANSNIK, V.S.; PLATNIKOVA, G.P.

Experimental data on the comparative effectiveness of antiplague serum and its globulin fractions. Tez. i dokl.konf.Irk.gos.nauch.-issl.protivochum. inst. no.2:66-68 '57. (MIRA 11:3)
(PLAQUE) (SERUM) (GLOBULIN)

KHUNDANOV, L. Ye.

~~KHUNDANOV, L. Ye.; SHERSHNEV, P.A.; SHKURKO, Ye.D.; KALMYKOVA, A.P.; TOKAREVA, A.A.; MIKHALEVA, V.Ya.; LYASKOVSKAYA, Ye.I.~~

Therapeutic and prophylactic properties of separate protein fractions
of plague serum. Tez. i dokl.konf.Irk.gos.nauch.-issl.protivochum.
inst. no.2:69-70 '57. (MIRA 11:3)
(SERUM) (PLAQUE) (PROTEINS)

KHUNDANOV, L.Ye.
KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; MIKHNO, V.S.

Serological relationship between Vibrio comma and Brucella. Tez. i
dokl.konf. Irk.gos.nauch.-issl.protivochum. inst. no.2:71-72 '57.
(VIBRIO COMMA) (BRUCELLA) (MIRA 11:3)

USSR / Microbiology. Microbes Pathogenic for Man
and Animals. Bacteria. Vibrios.

F-4

Abs Jour: Ref Zhur-Biol, 1958, No 17, 76751.

Author : Khundanov, L. Ye.; Azarginova, F. S.;

Inst : Not given.

Title : On the Effectiveness of Separate Fractions of
Proteins of an Anticholera Serum (Autoabstract).

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii, 1957,
No 7, 131-132.

Abstract: Anticholera serum obtained by immunization with an
ON-antigen was fractionated by means of the action
of different concentrations of ethyl alcohol at
low temperatures. Fractions of β - and γ -globulins
were obtained. The serum and its fractions were
tested in preventive tests on mice. The greatest
survival was observed in animals which had re-
ceived γ -globulin. -- R. M. Rosenberg.

Card 1/1

KHUNDANOV, L. Ye.

USSR / Microbiology. Human and Animal Pathogens.
Pasteurinac.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5601.
Author : Gharshayev, P. A.; Shkurko, Yo. D.; Lyaskovskaya, Yo. I.; Khundanov, L. Ye.
Inst : Irkutsk SoS. Res. Antiplague Institute of Siberia and the Far East.
Title : Purification and Concentration of Antiplague Serum with Neutral Salts.
Orig Pub: Izv. Irkutskovo n.-o protivochuman. in-ta Sibiri i Dal'n. Vost., 1957, 14, 177-182.

Abstract: No abstract.

Card 1/1

USSR / Microbiology. Human and Animal Pathogens.
Pasteurellae.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5603.

Author : Lyaskovskaya, Ye. I.; Khundanov, L. Ye.; Shkurko, Ye. D.

Inst : Irkutsk Sci. Res. Antiplague Institute of Siberia and the Far East.

Title : Study of the Dependence of Quality of Anti-plague Serum on Certain Individual Characteristics of Producers.

Orig Pub: Izv. Irkutskovo n.ti. protivochumn. in-ta Sibiri i Dal'n. Vost., 1957, 14, 207-216.

Abstract: No abstract.

Card 1/1

Abstract: No abstract.

F

Country	: USSR
Category	: Microbiology. Microbes Pathogenic For Man and Animals.
	Vibrios.
Abs. Jour	: Ref Zhur-Biol., No 25, 1958, No 103836
Author	: Khundanov, L. Ya.; Shkurko, Ye. D. and the Far East.
Institut.	: Irkutsk Scientific Research Plague Institute of Siberia/
Title	: The Effect of Biomycin on Experimental Cholera Infection
Orig. Pub.	: Izv. Irkutskogo n.-i. protivochumn. in-ta Sibiri i Dal'n.Vost., 1957, 14, 220-224
Abstract	: It has been shown that biomycin possesses bactericidal and bacteriostatic effects on the cholera vibrio. The prophylactic and therapeutic effect of biomycin was also studied on mice infected intraperitoneally with 2 DCL of a virulent strain of cholera vibrio. The prophylactic peroral use of biomycin twice in a total dose of 15,000 units protected 67.5 percent of the mice against death while 100% of the controls died. When the biomycin was given in the same way therapeutically the survival rate of the mice reached only 20% with 100% death of the controls.--M. Ya. Boyarskaya
Card:	1/1

KHUNDANOV, L.Ye.; LYASKOVSKAYA, Ye.I.; MIKHALEVA, V.Ya.; KALMYKOVA, A.P.

Gamma and beta globulin antiplague sera and the study of their effectiveness. First report. Izv.Irk.gos.nauch.-issl.protivo-chum.inst. 14:169-172 '57. (MIRA 13:7)
(SERUM) (PLAGUE)

SHURSHNEV, P.A., SHURKO, Ye.D.; LYASKOVSKAYA, Ye.I.; KHUNDANOV, L.Ye.

Purification and concentration of antiplague sera with neutral
salts. Izv. Irk.gos.nauch.-issl protivochum.inst. 14:177-182
'57. (MIRA 13:7)

(SERUM) (PLAGUE) (SULFATES)

SHERSHNEV, P.A.; LYASKOVSKAYA, Ye.I.; SHKURKO, Ye.D.; KHUNDANOV, L.Ye.

Purification and concentration of antiplague sera by use of
enzymatic digestion. Izv. Irk.gos.nauch.-issl.protivochum.inst.
14:183-187 '57. (MIRA 13:7)
(SHKUM) (PLAGUE) (ENZYMES)

LYASKOVSKAYA, Ye.I.; KHUNDANOV, L.Ye.; SHKURKO, Ye.D.

Study of the dependence of the quality of antiplague serum
on some individual peculiarities of the producing animal.

Izv. Irk.gos.nauch.-issl.protivochum.inst. 14:207-216 '57.

(MIRA 13:7)

(SERUM)

(PLAGUE)

(HORSES)

SHERSHNEV, P.A.; KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; LEONOV, N.P.

Obtaining dry antiplague serum and a study of its effectiveness.
Izv. Irk.gos.nauch.-issl.protivochum.inst. 14:217-219 '57.
(MIRA 13:?)

(SERUM)

(PLAQUE)

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.

Effect of biomycin on experimental cholera infection. Izv. Irk.
gos.nauch.-issl.protivochum.inst. 14:220-224 '57.

(AUREOMYCIN)

(CHOLERA, ASIATIC)

(MIRA 13:7)

KHUNDANOV, L.Ye.; BEZRUKOVA, M.I.; AZARGINOV, F.S.

Study of the combined effect of streptomycin and immune serum
on experimental cholera infection. Izv. Ukr. gos. nauch.-issl.
protivochum. inst. 14:225-231 '57. (MIRA 13:7)
(CHOLERA, ASIATIC) (STREPTOMYCIN) (SERUM)

SHKURKO, Ye.D.; KHUNDANOV, L.Ye.

Role of some nonspecific substances in raising the quality of
antiplague serum. Izv.Irk.gos.nauch.-issl.protivochum.inst.
15:149-155 '57. (MIRA 13:7)
(PLAQUE) (SERUM) (TISSUE EXTRACTS) (ALOE)
(CALCIUM CHLORIDE)

SHERSHNEV, P.A.; TOKAREVA, A.A.; KALMYKOVA, A.P.; SHKURKO, Ye.D.;
KHUNDANOV, L.Ye.

Study of protein fractions of antiplague sera. Izv. Irk.gos.
nauch.-issl.protivochum.inst. 18:25-31 '58. (MIRA 13:?)
(BLOOD PROTEINS) (PLAQUE)

KHUNDANOV, L.Ye.; KOLESNIK, V.S.; PLETNIKOVA, G.P.

Comparative immunogenic effectiveness of antiplague serum and
of its globulin fractions. Izv. Irk.gos.nauch.-issl.protivochum.
inst. 18:43-50 '58. (MIRA 13:7)

(PLAGUE)

(GLOBULIN)

LYASKOVSKAYA, Ye. I.; KHUNDANOV, L.Ye.; KAPORSKAYA, K.P.

Morphological composition of the blood of horses producing
anticholera sera. Izv.Irk.gos.nauch.-issel.protivochum.inst,
20:335-338 '59. (MIRA 13:?)
(HORSES) (BLOOD--ANALYSIS AND CHEMISTRY) (SERUM)

KHUNDANOV, L.Ye., SHERSHEV, P.A., SHURKO, Ye.D., KALMYKOVA, A.P.,
TOKAREVA, A.A., LYASKOVSKAYA, Ye.I. MIKHALEVA, V.Ya.

Therapeutic and preventive properties of separate protein fractions
of anti-plague serum. Zhur.mikrobiol.epid. i immun. 29 no.7:55 J1'58
(MIRA 11:8)

1. Iz Irkutskogo nauchno-issledovatel'skogo instituta Ministerstva
zdravookhraneniya SSSR.

(PLAQUE, immunology,

ther. & prev. properties of beta & gamma globulins in
immune sera (Rus))

(GAMMA GLOBULIN,

in anti-plague serum, ther. & prev. properties (Rus))

KHUNDANOV, L.Ye., KOLESNIK, V.S., PLETNIKOVA, G.P.

Comparative immunogenic effectiveness of antiplague serum and of its globulin fraction; author's abstract. Zhur.mikrobiol. i immun. 29 no.7:110-111 Jl '58 (MIRA 11:8)

1. Iz Irkutskogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya SSSR.

(PLAQUE, exper.

eff. of immune serum & gamma globulin in guinea pigs.
(Rus))

(GAMMA GLOBULIN, effects,
on exper. plague, comparison with immune serum (Rus))

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; MIKHNO, V.S.

Serological relationship between Vibrio comma and Brucella. Zhur. mikrobiol.
epid. i imun. 29 no.12:93-94 D '58. (MIRA 12:1)

1. Iz Irkutskogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneniya SSSR.

(VIBRIO COMMA,
serol. relation to Brucella (Rus))
(BRUCELLA,
serol. relation to Vibrio comma (Rus))

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. Bacteria. Pasteurellae. F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19561

Author : Khundanov, L. Ye.; Kolesnik, V. S.;
Fletnikova, G. P.

Inst : Not given

Title : Problem of Comparative Immunogenic Effectiveness of the Antiplague Serum and Its Globular Fractions (Essays by Authors)

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958,
No 110-111

Abstract : No abstract given

Card 1/1

KHUNDANOV, L. E., SHKURKO, E. D., and DEVYATOVA, A. P.

"Gamma-globulin in experimental anthrax infection."

Veterinariya, Vol. 38, No. 6, 1961. p. 45

KHUNDANOVA, L. E., KUPSEVICH, E. N., DEMIDOV, E. K., SMIRNOVA, L. A.
and SHDURKO, E. D. (Irkutsk State Scientific-Research Anti-plague
Institute of Siberia and the Far East)

"Combined therapy of experimental melioidosis"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 55

KHUNDANOV, L. E - Moff

KHUNDANOV, L.Ye.; SHERSHNEV, P.A.; SHKURKO, Ye.D.; KALMYKOVA, A.P.; TOKAREVA, A.A.; LYASKOVSKAYA, Ye.I.; MIKHALEVA, V.Ya.

Therapeutic and prophylactic properties of individual protein fractions of antiplague serum. Izv. Irk.gos.nauch.-issl.protivochum.inst. 18:33-41 '58. (MIRA 13:7)
(BLOOD PROTEINS) (PLAQUE)

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.

Comparative study of the effectiveness of gamma globulin obtained from the immunization of horses with virulent killed and avirulent plague cultures. Biul. eksp. biol. i med. 3[i.e.53] no.3:67-70 Mr '62. (MIRA 15:4)

1. Iz Irkutskogo nauchno-issledovatel'skogo protivochumnogo instituta Sibiri i Dal'nego Vostoka. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.
(GAMMA GLOBULIN) (PLAQUE)

~~KHUNDANOV, L. E.~~, SHKURKO, E. D., SMIRNOVA, L. A., KEMIDOVA, E. K. and KULIKOVA,
G. G. (Irkutsk State Scientific Research Antiplague Institute of Siberia and
Far East)

"Sulfarilamide preparations in experimental melioidosis"

Veterinariya, vol. 39, no. 4, April 1962 p. 51

KHUNDANOV, L.Ye.; DEVYATOVA, A.P.; PADALKO, Z.F.; LUK'YANOVA, V.I.;
SHKURKO, Ye.D.

Comparative study on the effectiveness of antibiotics and γ -globulin
in experimental melioidosis. Zhur. mikrobiol. epid. i immun. 32 no.7:
114-117 Je '61. (MIRA 15:5)

1. Iz Irkutskogo gosudarstvennogo nauchno-issledovatol'skogo
protivochumnogo instituta Sibiri i Dal'nego Vostoka.
(MELOIDOSIS) (ANTIEIOTICS)
(GAMMA GLOBULIN)

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; KUPTSEVICH, I.Ye.; SMIRNOVA, L.A.

Combined treatment of experimental plague using antibiotics
and gamma globulin. Antibiotiki 6 no.11:1039-1042 N '61.

(MIRA 15:3)

1. Irkutskiy nauchno-issledovatel'skiy protivochumnyy
institut Sibiri i Dal'nego Vostoka.

(GAMMA GLOBULIN) (ANTIBIOTICS) (PLAQUE)

KHUNDANOV, L.Ye.; SHIKURKO, Ye.D.; KUPTSEVICH, Ye.I.; KULIKOVA, G.G.

Chemotherapy of experimental cholera. Antibiotiki 7 no.4:331-334
Ap '62.
(MIRA 15:3)

1. Irkutskiy nauchno-issledovatel'skiy protivochumnyy
institut Sibiri i Dal'nego Vostoka.
(CHOLERA, ASIATIC) (ANTIBIOTICS) (GAMMA GLOBULIN)

KHUNDANOV, L.Ye.; KUPTSEVICH, Ye.I.; DEMIDOVA, Ye.K.; SMIRNOVA, L.A.;
SHKURKO, Ye.D.

Compound treatment of experimental melioidosis with antibiotics
and sulfodimesin. Antibiotiki 6 no.11:1013-1016 N '61. (MIRA 15:3)

1. Irkutskiy nauchno-issledovatel'skiy protivochumnyy institut
Sibiri i Dal'nego Vostoka.
(MELIOIDOSIS) (SULFAMETHAZINE) (ANTIBIOTICS)

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; DEVIYATOVA, A.P.

Gamma globulin in experimental anthrax infection. Veterinaria 38
no.6:45-46 Je '61. (MIRA 16:6)

1. Irkutskiy nauchno-issledovatel'skiy institut Ministerstva
zdravookhraneniya SSSR.
(Gamma globulin) (Anthrax)

KHUNDANOV, L.Ye.i KUPTSEVICH, Ye.N.; DEMIDOVA, Ye.K.; SMIRNOVA, L.A.;
SHKURKO, Ye.D.

Combined therapy of experimental melioidosis. Veterinaria 38
no.10:55-57 O '61. (MIRA 16:2)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy
protivochernomyj institut Sibiri i Dal'nego Vostoka.
(Melioidosis) (Antibiotics) (Sulfamethazine)

DOMARADSKIY, I.V.; KHUNDANOV, L. Ye.; KALMYKOVA, A.P.; SHKURKO, Ye.D.;
KROTOVA, V.A.; TUKAREVA, A.A.

Study of the characteristics of serums obtained by the immu-
nization of rabbits with plague bacillus fractions. Biul.
eksp biol i med. 54. no.12:75-79 D'62. (MIRA 16:6)

1. Iz Irkutskogo nauchno-issledovatel'skogo protivuchumnogo
instituta Sibiri i Dal'nego Vostoka (dir. - prof. I.V.
Domaradskiy). Predstavlena deystvitel'nym chlenom AMN SSSR
N.N.Zhukovym-Verezhnikovym.
(PASTEURELLA) (SERUM)

KHUNDANOV, L.Ye.; SHKURKO, Ye.D.; SMIRNOVA, L.A.; DEMIDOVA, Ye.K.; KULIKOVA, G.G.

Sulfanilamide preparations in experimental melioidosis. Veterinariia
39 no.4:51-52 Ap '62. (MIRA 17:10)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy protivo-
chumnyy institut Sibiti i Dal'nego Vostoka.

MAYSKIY, I.N.; AYRAPET'YAN, G.P.; KOZLOVA, N.A.; NILOVSKIY, M.N.;
SUVOROVA, G.V.; SUKHORUKIKH, S.V.; KHUNDANOVA, L.L. (Moskva)

Therapeutic and cytotoxic action of antibodies and their
role in the pathogenesis of cancer. Usp. sovr. biol. 55 no.2:
219-238 '63.
(MIRA 17:8)